

H. Schinner



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/671,089

DATE: 08/28/2002

TIME: 10:05:13

Input Set : A:\E1067-20018 SEQ LIST 8-22-02.ST25.txt

Output Set: N:\CRF3\08282002\I671089.raw

p6

ENTERED

3 <110> APPLICANT: O'Mahony, Daniel J.
4 Lambkin, Imelda J.
6 <120> TITLE OF INVENTION: MEMBRANE TRANSLOCATING PEPTIDE DRUG DELIVERY SYSTEM
8 <130> FILE REFERENCE: E1067/20018
10 <140> CURRENT APPLICATION NUMBER: 09/671,089
11 <141> CURRENT FILING DATE: 2000-09-27
13 <150> PRIOR APPLICATION NUMBER: 60/156,246
14 <151> PRIOR FILING DATE: 1999-09-27
16 <160> NUMBER OF SEQ ID NOS: 59
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 12
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: membrane translocating peptide
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31 1 5 10
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 15
36 <212> TYPE: PRT
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39 <220> FEATURE:
40 <223> OTHER INFORMATION: membrane translocating peptide
42 <220> FEATURE:
43 <221> NAME/KEY: MOD_RES
44 <222> LOCATION: (15)..(15)
45 <223> OTHER INFORMATION: linked to FITC-LC
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51 1 5 10 15
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55 <211> LENGTH: 16
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: membrane translocating peptide
62 <400> SEQUENCE: 3
64 Lys Lys Lys Ala Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
65 1 5 10 15
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 19

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70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: membrane translocating peptide
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79 1 5 10 15
82 Glu Asp Leu
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 16
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: membrane translocating peptide, cyclic
94 <400> SEQUENCE: 5
96 Lys Lys Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro Cys
97 1 5 10 15
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 13
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: membrane translocating peptide, cyclic
108 <400> SEQUENCE: 6
110 Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Cys
111 1 5 10
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 14
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: membrane translocating peptide, cyclic internal
122 <400> SEQUENCE: 7
124 Lys Lys Cys Ala Ala Val Leu Leu Pro Val Leu Leu Ala Cys
125 1 5 10
128 <210> SEQ ID NO: 8
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130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial Sequence
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134 <223> OTHER INFORMATION: membrane translocating peptide, cyclic
136 <400> SEQUENCE: 8
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139 1 5 10
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143 <211> LENGTH: 10
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:

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148 <223> OTHER INFORMATION: membrane translocating peptide, cyclic
150 <400> SEQUENCE: 9
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153 1 5 10
156 <210> SEQ ID NO: 10
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158 <212> TYPE: PRT
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161 <220> FEATURE:
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167 1 5 10
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190 <223> OTHER INFORMATION: membrane translocating peptide, cyclic
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195 1 5 10
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199 <211> LENGTH: 10
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: membrane translocating peptide, cyclic
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208 Cys Leu Pro Val Leu Leu Ala Ala Pro Cys
209 1 5 10
212 <210> SEQ ID NO: 14
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214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: membrane translocating peptide
220 <400> SEQUENCE: 14
222 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
223 1 5 10

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Input Set : A:\E1067-20018 SEQ LIST 8-22-02.ST25.txt

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226 <210> SEQ ID NO: 15
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228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: membrane translocating peptide
234 <400> SEQUENCE: 15
236 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala
237 1 5 10
240 <210> SEQ ID NO: 16
241 <211> LENGTH: 12
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: membrane translocating peptide
248 <400> SEQUENCE: 16
250 Lys Lys Ala Ala Val Leu Leu Pro Val Leu Leu Ala
251 1 5 10
254 <210> SEQ ID NO: 17
255 <211> LENGTH: 9
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: membrane translocating peptide
262 <400> SEQUENCE: 17
264 Ala Ala Val Leu Leu Pro Val Leu Leu
265 1 5
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 8
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: membrane translocating peptide
276 <400> SEQUENCE: 18
278 Ala Ala Val Leu Leu Pro Val Leu
279 1 5
282 <210> SEQ ID NO: 19
283 <211> LENGTH: 11
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: membrane translocating peptide
290 <400> SEQUENCE: 19
292 Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
293 1 5 10
296 <210> SEQ ID NO: 20
297 <211> LENGTH: 10
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

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Input Set : A:\E1067-20018 SEQ LIST 8-22-02.ST25.txt

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301 <220> FEATURE:
 302 <223> OTHER INFORMATION: membrane translocating peptide
 304 <400> SEQUENCE: 20
 306 Val Leu Leu Pro Val Leu Leu Ala Ala Pro
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 310 <210> SEQ ID NO: 21
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 312 <212> TYPE: PRT
 313 <213> ORGANISM: Artificial Sequence
 315 <220> FEATURE:
 316 <223> OTHER INFORMATION: membrane translocating peptide
 318 <400> SEQUENCE: 21
 320 Leu Leu Pro Val Leu Leu Ala Ala Pro
 321 1 5
 324 <210> SEQ ID NO: 22
 325 <211> LENGTH: 8
 326 <212> TYPE: PRT
 327 <213> ORGANISM: Artificial Sequence
 329 <220> FEATURE:
 330 <223> OTHER INFORMATION: membrane translocating peptide
 332 <400> SEQUENCE: 22
 334 Leu Pro Val Leu Leu Ala Ala Pro
 335 1 5
 338 <210> SEQ ID NO: 23
 339 <211> LENGTH: 17
 340 <212> TYPE: PRT
 341 <213> ORGANISM: Artificial Sequence
 343 <220> FEATURE:
 344 <223> OTHER INFORMATION: membrane translocating peptide
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 348 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Lys Lys Lys Arg Lys
 349 1 5 10 15
 352 Ala
 356 <210> SEQ ID NO: 24
 357 <211> LENGTH: 17
 358 <212> TYPE: PRT
 359 <213> ORGANISM: Artificial Sequence
 361 <220> FEATURE:
 362 <223> OTHER INFORMATION: membrane translocating peptide
 364 <400> SEQUENCE: 24
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 367 1 5 10 15
 370 Ala
 374 <210> SEQ ID NO: 25
 375 <211> LENGTH: 45
 376 <212> TYPE: DNA
 377 <213> ORGANISM: Artificial Sequence
 379 <220> FEATURE:
 380 <223> OTHER INFORMATION: encodes membrane translocating peptide

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:25; N Pos. 9,12,15,18,21,24,27,30,33,36,39,42,45
Seq#:26; N Pos. 3,18,21,24,27,30,33,36,39,42,45,48,51,54
Seq#:27; N Pos. 9,12,15,18,21,24,27,30,33,36,39,42,45,48,57
Seq#:28; N Pos. 12,15,18,21,24,27,30,33,36,39,42,45
Seq#:29; N Pos. 6,9,12,15,18,21,24,27,30,33,36
Seq#:30; N Pos. 6,9,12,15,18,21,24,27,30,33
Seq#:31; N Pos. 6,9,12,15,18,21,24,27,30
Seq#:32; N Pos. 6,9,12,15,18,21,24,27
Seq#:33; N Pos. 6,9,12,15,18,21,24,27,30,33,36
Seq#:34; N Pos. 6,9,12,15,18,21,24,27,30,33
Seq#:35; N Pos. 6,9,12,15,18,21,24,27,30
Seq#:36; N Pos. 6,9,12,15,18,21,24,27
Seq#:37; N Pos. 3,6,9,12,15,18,21,24,27,30,33,36
Seq#:38; N Pos. 3,6,9,12,15,18,21,24,27,30,33
Seq#:39; N Pos. 9,12,15,18,21,24,27,30,33,36
Seq#:40; N Pos. 3,6,9,12,15,18,21,24,27
Seq#:41; N Pos. 3,6,9,12,15,18,21,24,27
Seq#:42; N Pos. 3,6,9,12,15,18,21,24,27,30,33
Seq#:43; N Pos. 3,6,9,12,15,18,21,24,27,30
Seq#:44; N Pos. 3,6,9,12,15,18,21,24,27
Seq#:45; N Pos. 3,6,9,12,15,18,21,24
Seq#:46; N Pos. 2,5,8,11,14,17,20,23,26,29,32,44,50
Seq#:47; N Pos. 12,18,21,24,27,30,33,36,39,42,45,48,51

VERIFICATION SUMMARY

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Input Set : A:\E1067-20018 SEQ LIST 8-22-02.ST25.txt

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L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:1164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:2094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:2274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:2376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:2472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:2562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:2640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:2784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:2928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0